

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/50665

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H01S3/139 H01S5/14 H01S5/0687

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01S

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 0 951 112 A (ANRITSU CORP) 20 October 1999 (1999-10-20) cited in the application column 18, line 25 - column 20, line 22 -----	1-15
Y	US 5 054 028 A (ESHERICK PETER ET AL) 1 October 1991 (1991-10-01) column 3, line 12 - line 56; figure 1 -----	1-15
A	US 6 608 847 B2 (ZHANG GUANGZHI Z. ET AL) 19 August 2003 (2003-08-19) column 11, line 52 - column 12, line 10; figure 7 ----- -/--	1-15



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

B document member of the same patent family

Date of the actual completion of the international search

11 August 2004

Date of mailing of the international search report

19/08/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Flierl, P

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>MATTORI S ET AL: "A MODE HOPPING SUPPRESSED EXTERNAL-CAVITY SEMICONDUCTOR LASER USING FEEDBACK CONTROL" IEICE TRANSACTIONS ON ELECTRONICS, INSTITUTE OF ELECTRONICS INFORMATION AND COMM. ENG. TOKYO, JP, vol. E85-C, no. 1, January 2002 (2002-01), pages 98-103, XP001116769 ISSN: 0916-8524 page 100, right-hand column, paragraph 4; figure 4</p> <p>-----</p>	1-4, 6-15

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/50665

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0951112	A	20-10-1999	JP 3197869 B2	13-08-2001
			JP 11289118 A	19-10-1999
			DE 69902963 D1	24-10-2002
			DE 69902963 T2	28-05-2003
			EP 0951112 A2	20-10-1999
			US 6081539 A	27-06-2000
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US 5054028	A	01-10-1991	NONE	
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US 6608847	B2	03-04-2003	US 2003063633 A1	03-04-2003
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